

Tuxson

Memoranda

How

Dec

Howland Is.

10-11 December 1966

Bob. Tuxson

Hawland
Island
Dec 9

SIC 16

Tuxson

✓ ADP

✓ CDK

Done 8/26/68

13 Dec. H. L. L.

Handwritten notes

1000000000

Handwritten notes

Handwritten notes

Handwritten notes

Handwritten notes

Handwritten notes

Handwritten notes

Handwritten notes

Handwritten notes

10 Dec Howland

Bands closed

737-82131-56

all used up
36, 37, 38, 40, 41
on RLB containers

11 Dec

Bands closed

625-23336-400

with #39 missing

used.

= 36, 37, 38, 40, 41

on RTTB immatures

11 Dec

1000 - 2500

1000 - 2500

1000 - 2500

1000 - 2500

9 Dec Recovery ✓ ATXO

Sooty Tern How Feb 65
793-43712 ✓

no brood patch
gonads

♀ -
ovary - ~~19x5~~ ^{l. ovum} 4mm
oviduct - convoluted

molt primaries
secondaries }

all in new

mod fat

iris brown
legs & bill black

9 Dec ② Dead birds

Ruddy Turnstone Molt
2 specimens

① all flight feathers in
remiges new
retrices slightly worn
no body molt
slight molt on neck

② all flight feathers in
remiges new
retrices not worn
mod. body molt on back

9 Dec. — Hawkes
Shorebird Survey

CP ③

4

RT

4 + 3 = ⑦

2

BTC

WT

②

1

10 Dec West Coast

BFB

$$1 \text{ egg } \cancel{1111} \cancel{1111} 11 = (12)$$

288 - ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~

(36)

~~Bulg. cluch~~

small blue: ~~|||||~~

signature

10 Dec Nest Count

~~XXXXXXXXXX~~ - ~~XXXXXXXXXXXXXXX~~

Inland
Shorebird Survey

BTC-1

CP-7+4

RT ~~111~~ inland

$$\cancel{111} + \cancel{111}12 + 41 + 3$$

BFB Hawland

10 Dec Banding

737-82131 ♂ BFB + chick

~~[Illegible scribbled-out text]~~

32 - immature

— 33 — *Signature*

— 34 — *immature*

— 35 — l. chick

— 36 /— l. chuck

— 37/ — I click

— 38 — immature

3/9 - 1 chick

—/40 — imm.

— 141 - I chick

~~42~~ immature

43-SA-Club

44-immature

45 - immature

Hawland

10 Dec Banding
BFB

———— 46 — lchuck

47 - Iron

48 -

49 - 11

50 - 11

51 - 14

52 - / lun

53 - Ad♀ 2 egg

54 / - 2

55/ - down

56 - Low

Returns
10 Dec BB ✓ ~~ADP~~

737-53018 - ♂ - lch ✓
737-53072 ♀ pm ✓
737-53042 ♀ 2e ✓
737-53025 ♀ m. ✓
737-53045 ♂ ✓

✓ADP

Returns

10 Dec.

✓ADP

BFB

568-72081	- ♀	2 eggs ✓
737 53441	♀	R ✓
737 20663	♀	R ✓
737-23608	♂	2 eggs ✓
737-20673	♀	imm ✓
737-82005	♀	2 eggs ✓
737-23572	♀	R ✓
777-54562	♂	2 eggs ✓
757-63132	♀	R ✓
737-49755	♂	R ✓
737-39817	♂	R ✓
757-62849	♂	2 l ✓
737-82012	♂	imm ✓
737-49860	♀	l m ✓
737 53481	♂	imm ✓
737-39530	♂	R ✓
737-49695	♂	R ✓
737 20817	♂	R ✓
737-27607	- ♀	R ✓

Returns

10 Dec

✓ADP

BFB

737-28795	♂	2 l ✓
757-63136	M -	imm ✓
737-23561	♀	1 l ✓
757-63349	♀	R ← PW ✓
587-80940	♂	R ✓
737-49800	♂	← PW ✓
737-22672	♀	imm ✓
757-62841	♂	1 l Baker ✓
737-28895	♀	2 l ✓
737-28607	♀	imm ✓
757-62858	♂	l ch ✓
737-39573	♂	on nest ✓
737-39588	♀	2 l ✓
737-28521	♀	2 l ✓
737-27959	♀	2 l ✓
737-28860	♀	R ✓
737-39578	♀	1 l ✓
737-53125	♂	R ✓
737 23607	♂	imm ✓

Returns ✓ ADP
10 Dec BFB

737-53477 ♂ 2e ✓
737 53491 ♀ R ✓
737-28728 ♀ 1e ✓
737-49790 ♂ R ✓
587-83274 SA R ✓
757-63154 ♂ 1e ✓
587-80847 ♀ 2e ✓
737-28849 ♀ 2e ✓
157-62988 ♂ R ✓
737-82417 ♀ 1e ✓
737-49778 ♂ 2e ✓
737-82410 SA R ✓
737-27517 ♀ 2e ✓
737-28746 ♀ R ✓
737-49756 ♂ 2e ✓
587-83336 ♀ 1e ✓
737 20720 ♂ R pair ✓
737 27965 ♀ R ✓
737-28532 ♀ 2e ✓

Returns ✓ ADP
10 Dec BFB

737-28774 ♀ 1e ✓
737-49644 ♂ 2e ✓
587-80812 ♀ imm (pair) ✓
737-20027 ♂ " ✓
737-53472 ♀ 1e ✓
737 20026 ♀ " ✓
737-28852 ♂ imm ✓
737-28575 ♀ " ✓
737-28832 ♀ R ✓
737-53199 ♀ imm (pair) ✓
737-28798 ♂ " ✓
737-20783 ♀ club ✓
757-62995 ♀ imm ✓
737 39824 ♀ club ✓
587-83490 ♂ R ✓
737-28828 ♀ club ✓
737-20122 ♂ 2e ✓
737-20113 ♀ 2e ✓
558-85287 ♀ R ✓

Returns
10 Dec

✓ADP
BFB

737 39820 ♂ R ✓
737 20537 ♂ imm ✓
737-20111 ♀ l.n. ✓
737 20020 ♀ R ✓
737 20116 { ♂ R ✓
737-23711 { ♀ " ✓
757-62781 ♀ R ✓
737-28813 { ♂ l.chick ✓
737-20898 { ♀ " ✓
737-53463 ♂ R ✓
737-28996 ♂ R ✓
737-28998 ♂ R ✓
757-65237 ♀ R ✓
737-53195 ♀ R ✓
737-49834 ♂ 2e ✓
757-66972 ♀ 2e ✓
737-23007 ♂ R ✓
737 68815 ♂ imm. ✓
737-20829 ♀ club ✓

Returns
Dec 10 BFB

✓ADP #6

75761975 ♀ club ✓
737-49714 ♂ club ✓
587-98009-SA club ✓
568-71003 ♀ club ✓
737-49703 ♂ club ✓
737-23614 ♀ club ✓
587-83487-SA-club ✓
737 53166 { ♂ R ✓
737-39503 { ♀ " ✓
737-28675 ♀ R ✓
737 20106 ♀ R ✓
737-28677 ♂ 2e ✓
737-39828 ♀ R ✓
737-27828 { ♂ R ✓
737-20688 { ♀ R ✓
737-28956 { ♀ R ✓
737-20900 { ♂ R ✓
587-83313 ♂ R ✓
737-20589 ♂ R ✓

#7 ✓ADP

Returns

BFB 10 Dec

737-28999	♂	R ✓
737-27640	♀	R ✓
737-20656	♂	ln ✓
737-39925	♂	imm ✓
737-20877	♂	ln ✓
587-80823	♀	R ✓
737-20868	♀	imm ✓
737-20870	♂	" ✓
587-85015	♂	R ✓
757-65245	♀	R ✓
737-39850	♀	R ✓
737-20921	♂	Zegg ✓
737-27698	♂	R ✓
568-70345	♀	club ✓
587-80895	♀	club ✓
757-63235	♂	" ✓
587-90193	SA	" ✓
737-20640	♂	R ✓
737-49765	♀	imm ✓

BFB

✓ADP #8
1356

10 Dec - Returns

737-20738	♀	R ✓
587-84095	SA	R ✓
737-39869	♀	sm chick ✓
737-28659	♂	" ✓
587-83334	♀	club ✓
737-20752	♀	Zegg ✓
737-53352	♂	lg chick ✓
587-82812	♂	lg nest ✓
737-82441	♀	" ✓
757-62873	♂	Zegg ✓
737-27753	♂	sm nestling ✓
737-27819	♀	" ✓
737-27861	♂	R ✓
737-20857	♂	imm ✓
757-67200	♀	R ✓
737-28701	♂	" ✓
737-49718	♂	imm ✓
587-83347	SA	R ✓
737-82455	♀	2 eggs ✓

#9

10 Dec

✓ADP

BFB returns

737-20930 ♂ egg ✓
 737-27752 ♀ med chick ✓
 568-71409 ♀ club ✓
 737-28647 ♂ " ✓
 737-39910 ♀ L ✓
 587-81876 ♂ R ✓
 737-39793 ♀ 2 eggs ✓
 737-39906 ♀ lg nestling ✓
 737-53419 ♂ ✓
 558-85264 ♀ ~~club~~ egg ✓
 737-39620 ♂ club ✓
 757-65269 ♀ club ✓
 757-69620 ♀ R ✓
~~757-6~~ ✓
 737-53251 ♀ 2 eggs ✓
 737-39943 ♂ R ✓
 737-27818 ♀ R ✓
 737-53407 ♂ R ✓
 737-39917 ♀ R ✓

#10

10 Dec

✓ADP

BFB returns

737-20724 ♂ R ✓
 737-39993 ♂ R ✓
 737-~~20~~542 ♂ R ✓
 737-39929 ♂ L ✓
 737-27843 ♀ " ✓
 737-39708 ♀ R ✓
 737-20732 ♀ lg nestling ✓
 737-39920 ♂ " ✓
 737-53218 ♀ R ✓
 737-28928 ♀ legs/sm chick ✓
 757-63013 ♂ ✓
 737-20956 ♂ R ✓
 737-39983 ♀ ✓
 737-28924 ♂ 2 eggs ✓
 587-83493 ♀ " ✓
 737-49558 ♂ R ✓
 558-85248 ♀ ✓
 757-65249 ♀ L ✓
 737-20731 ♂ L ✓

11

10 Dec

✓ADP

BFB returns

~~737-20930~~ ~~tegg~~
 737-53286 } ♀ sun resting ✓
 737-39958 } ♂ " ✓
 757-62876 ♀ R ✓
 737-49853 ♀ sun ✓
 737-49614 ♂ R ✓
 737-49513 ♂ R ✓
 737-53264 ♂ teggs ✓
 737-53231 } ♂ sun ✓
 737-26646 } ♀ ✓
 737-39966 ♂ R ✓
 737-20730 ♂ club ✓
 737-27983 ♀ " ✓
 587-83498 ♀ club ✓
 737-82429 ♀ " ✓
 737-53425 } ♂ lg chick ✓
 558-85027 } ♀ " ✓
 737-39961 } ♂ sun ✓
 737-53450 } ♀ ✓

10 Dec

✓ADP

12

BFB Returns

NE and

737-20949 ♀ lg nestling ✓
 737-20960 ♂ roosting ✓
 757-61073 ♀ R ✓
 737-49828 ♀ R ✓
 737-53403 } ♂ R ✓
 737-53224 } ♀ R ✓
 568-71353 ♀ R ✓
 587-83341 ♀ R ✓
 737-53219 ♀ teggs ✓
 737-27984 ♂ teggs ✓
 737-22845 ♂ teggs ✓
 737-39954 ♂ R ✓
 587-83335 ♀ sun chick ✓
 737-39885 ♂ sun ✓
 737-26664 } ♀ R ✓
 737-39789 } ♂ R ✓
 757-62927 ♂ R ✓
 737-39782 } ♂ sun ✓
 737-39800 } ♀ ✓

#13

BFB

10 Dec. ✓ADP
Returns

737 23569 ♀ 2 ✓
 737-27936 ♀ R ✓
 737-20939 ♀ lg chick ✓
 737-28576 ♂ club ✓
 737-39752 ♂ lg nestling ✓
 737-39786 } ♂ club ✓
 737-39739 } ♀ " ✓
 737-20886 A? " ✓
 737-37578 ♂ 2 eggs ✓
 737-28985 ♀ lg chick ✓
 737-37597 ♂ R ✓
 737-39788 ♀ 2 ✓
 737-49606 ♂ 2 eggs ✓
 737-68308 ♀ R ✓
 737-37595 ♀ lg nestling ✓
 737-26689 ♀ 1 egg ✓
 737-28620 ♀ R ✓
 587-83346 ♂ 2 eggs ✓
 737-39843 ♂ lg chick ✓
 587-83607 ♀ sm chick ✓

10 Dec

BFB

✓ADP #14

Returns

737-23107 ♀ R ✓
 737-20564 ♀ ✓
 737-39753 } ♀ R ✓
 587-83432 } ♂ R ✓
 558-85045 ♀ 2 eggs ✓
 737-49597 ♂ R ✓
 737-20936 ♀ R ✓
 737-39914 ♀ R ✓
 737-39764 } ♀ sm nestling ✓
 737-39965 } ♂ ✓
 737-49609 ♀ R ✓
~~737-37826 ♂ lg chick ✓~~
 737-25875 ♂ R ✓
 737-20888 ♂ R ✓
 737-39896 ♂ 1 egg ✓
~~737-37851 ♀ naked chick ✓~~
 737-39934 ♂ R ✓
 737-25878 ♀ lg chick ✓
 737-20712 ♀ R ✓

left leg
chance

#15

✓ADP

BFB

10 Dec

Returns

737-39687	♂	2 egg ✓
587-83608	♂	2 egg ✓
737-39759	♂	R ✓
757-65047	♀	sun nest/egg ✓
737-39719	♀	2 egg ✓
737-53126	♀	sun nest ✓
737-53254	♀	2 eggs ✓
587-83610	♂	1 egg ✓
737-25899	♀	R ✓
737-26684	♀	sun ✓
737-37599	♂	sun ✓
737-26700	♀	R ✓
737-23722	♂	2 eggs ✓
757-62913	♂	R ✓
737-27784	♂	sun chck ✓
548-85053	♀	✓
737-49745	♀	sun nest ✓
737-28598	♂	✓
737-49600	♀	sun ✓

✓ADP

10 Dec

#16

BFB

Returns

737-37594	♂	R ✓
737-82453	♂	2 eggs ✓
737-39883	♀	R ✓
737-28916	♀	R ✓
737-20477	♂	R ✓
737-27952	♂	sun chck ✓
737-28725	♀	R ✓
737-49580	♂	R ✓
737-49585	♀	R ✓
737-39967	♀	sun ✓
737-39712	♂	✓
737-53220	♀	lg chck ✓
737-49837	♂	" ✓
737-39919	♀	sun ✓
757-62886	♀	" ✓
757-63250	♂	lg nest ✓
587-80877	♀	" ✓
737-27741	♀	R ✓
737-39692	♀	sun ✓
737-49588	♂	✓

#17 ~~ADP~~ BFB return 10 Dec

757-65087	♀	R	✓
737-39559	♀	dm	✓
737-39886	♂	lg mother	✓
757-35366	♀	R	✓
737-39871	♂	dm	✓
757-65366	♀	R	✓
568-71498	♂	R	✓
568-70573	♀	R	✓
737-39894	♂	dm	✓
737-39690	♀	"	✓
737-39890	♀	Sm chick	✓
737-49576	♂	R	✓
737-49585	♂	Zeggs	✓
737-26677	♂	R	✓
737-49574	♀	Zeggs	✓
568-71425	♀	R	✓
737-39861	♀	R	✓
737-39840	♀	legs	✓
737-49571	♂	"	✓

10 Dec #18
BFB return ✓ADP

737-39666	♀	R	✓
737-39733	♂	dm	✓
737-23593	♂	lg chick	✓
as/mate 757-63120	♀	R	✓
568-71347	♀	Club	✓
558-85222	♀	"	✓
558-85257	♀	"	✓
737-27600	♀	"	✓
568-71035	A?	"	✓
558-85283	A?	"	✓
737-20664	♀	club	✓
587-84054	SA	"	✓
568-71377	♂	but voice, not dist.	✓
737-37585	♀	club	✓
737-27662	♀	"	✓
737-27680	♀	"	✓
737-27885	♂	Zeggs	✓
737-37592	♀	R	✓
737-39874	♀	R	✓

#19 ✓ADP
NW corner BFB

10 Dec

ID	Sex	Notes	Check
737- 27685	♂	R	✓
737- 27696	♀	R	✓
737- 39806	♀	R	✓
737- 39838	♂	2 eggs	✓
737- 39855	♂	1 egg	✓
737- 39852	♂	R	✓
737- 39864	♀	dm	✓
737- 20540	♀	R	✓
737- 27656	♂	R	✓
737- 49550	♀	R	✓
737- 39661	♂	R	✓
737- 27653	♂	R	✓
737- 53215	♂	R	✓
737- 27577	♀	R	✓
757- 65085	♂	R	✓
737- 25864	♀	R	✓
737- 53396	♂	R	✓
737- 27946	♀	lg chick	✓
737- 53232	♀	R	✓

10 Dec #20
W Side N camp BFB 42, 38 80% bled.

✓ADP

ID	Sex	Notes	Check
757- 63203	♂	R	✓
737- 82127	♂	1 egg	✓
737- 32128	♀	sm chick	✓
737- 49620	♂	sm chick	✓
568- 72073	♀	R	✓
568- 70423	♀	R	✓
737- 28615	♂	R	✓
737- 49848	♂	R	✓
737- 20708	♂	1 egg	✓
737- 23715	♀	lg chick	✓
737- 20559	♂	"	✓
737- 27615	♂	R	✓
737- 26616	♂	R	✓
737- 39749	♀	"	✓
737- 28657	♀	R	✓
737- 27542	♂	"	✓
737- 27964	♂	R	✓

11 Dec ^{VADP}
Returns
RTTB

625-85757 u legs ^X

11 Dec
Banding
RTTB

645-23336 - immature

37 - immature

38 - immature

————— 39 - missing

40 - immature

41 - immature

R.T.B. Survey

11 Dec Howland

NEST

ADULT & CODE

CONTENTS

NB

- 38

W

37

12

39

38

14

15

16

40

17

45

Z

19

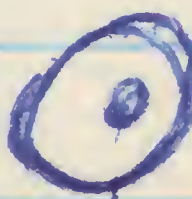
18

41

≡

42

26



625-85757 (≡)

immature

empty

empty

empty

empty

empty

empty

empty

empty

empty

empty

1 egg

empty

empty

empty

1 egg

empty

empty

empty

R TTB Survey

Nest

Adult

27	_____
28	_____
24	_____
25	_____
47	_____
48	_____
60	_____
49	_____

11 Dec

Contents

Empty

Empty

Empty

Empty

immature NB 40

Empty

immature NB 41

Empty

11 Dec VADP
 ⑩ BFB RETURNS

737-28776	♀	R	✓
737-28664	♂	"	✓
737-25826	♀	"	✓
737-49749	♂	"	✓
757-63306	♂	2e	✓
568-71322	μ	R	✓
737-23598	♂	R	✓
737-28908	♀	1e	✓
587-83276	♂	imm.	✓
737-20366	♂	lch	✓
737-49682	♀	"	✓
757-63496	♀	R	✓
737-53257	♂	R	✓
737-28534	♀	"	✓
737-20684	♀	R	✓
737-20705	♀	imm	✓
737-20704	♂	"	✓
737-27508	♀	R	✓

11 Dec VADP ⑩
 BFB RETURNS

757-63426	♂	R	✓
587-83298	♂	"	✓
737-53205	♂	R	✓
737-20701	♀	imm.	✓
737-27611	♀	"	✓
737-27550	♀	1e	✓
737-25836	♀	imm	✓
737-26609	♂	"	✓
737-20700	♂	R	✓
737-27926	♂	lch	✓
737-27521	♀	"	✓
737-53329	♀	R	✓
757-62978	♂	"	✓
568-71354	♀	R	✓
737-81584	♂	R	✓
568-71373	♀	R	✓
737-53365	♂	R	✓
558-85704	♀	imm.	✓

(54)

11 Dec BFB Returns

✓ADP

587-80864 { ✓♂ Imm
 568-71370 { ♀ Imm
 737-27559 { ♀ ✓R
 737-27558 { ♂ ✓u
 587-83297 { ♂ ✓R
 737-49540 { ♀ ✓R
 737-26627 { ♂ 2L
 737-26628 { ♂ R
 757-62833 { ♂ ✓lch.
 757-60973 { ♀ ✓u
 737-26643 { ♂ R
 737-53239 { ♀ ✓R
 757-63109 { ♀ R
 737-20566 { ♀ Imm.
 737-26648 { ♂ R ✓
 737-53332 { ♀ ✓2L
 737-53250 { ♀ Imm
 737-23612 { ♂ ✓u

(72)

11 Dec BFB Returns

✓ADP

737-49599 { ♂ R ✓
 737-53300 { ♂ R } Pair ✓
 737-25861 { ♀ R }
 737-39660 { ♂ R ✓
 558-85029 { ♂ R ✓
 737-26653 { ♀ 2L ✓
 737-39858 { ♂ Imm. ✓
 737-39857 { ♀ 2L
 737-27697 { ♂ Imm ✓
 737-39680 { ♀ R ✓
 737-39865 { ♂ R ✓
 737-39744 { ♀ 2L ✓
 737-82451 { ♂ 2L ✓
 737-39736 { ♀ Imm. ✓
 737-39969 { ♂ R ✓
 737-28781 { ♀ Nchuck ✓
 737-20715 { ♂ " ✓
 737-28606 { ♂ S chuck ✓

96 ADP

11 Dec Returns

BFB

737-28867 - ♀ R ✓
 757-65183 - ♀ 2e ✓
 737-49632 - ♂ R ✓
 737-20942 - ♂ R ✓
 737-39950 - ♀ R ✓
 737-28533 - ♂ 2e ✓
 587-83433 - ♀ R ✓
 737-39992 - ♂ 2e ✓
 757-61082 - ♀ smchuck ✓
 737-53416 - ♂ " ✓
 737-39903 - ♂ 2e ✓
 737-53411 - ♂ 2e ✓
 737-49669 - ♀ lchuck ✓
 737-53413 - ♂ " ✓
 737-53421 - ♂ R ✓
 737-20740 - ♀ R ✓
 737-28560 - ♀ to → R ✓
 737-53351 - ♀ R ✓

11 Dec Returns

109

BFB

737-23505 - ♂ lchuck ✓
 737-23514 - ♀ " " ✓
 737-20630 - ♀ R ✓
 737-28806 - ♂ imm ✓
 737-20105 - ♀ R ✓
 737-49621 - ♀ club ✓
 737-49833 - ♀ imm ✓
 737-20108 - ♀ R ✓
 737-20879 - ♂ R ✓
 737-53083 - ♀ " ✓
 587-83037 - ♂ imm ✓
 737-28995 - ♂ imm ✓
 757-63452 - ♂ lchuck ✓
 737-49662 - ♀ 2e ✓
 737-53089 - ♂ 2e ✓
 737-28745 - ♀ 2e ✓
 737-20126 - ♂ lchuck ✓
 737-28844 - ♀ imm ✓
 737-28884 - ♂ " ✓

129

11 Dec Returns

✓ ADP

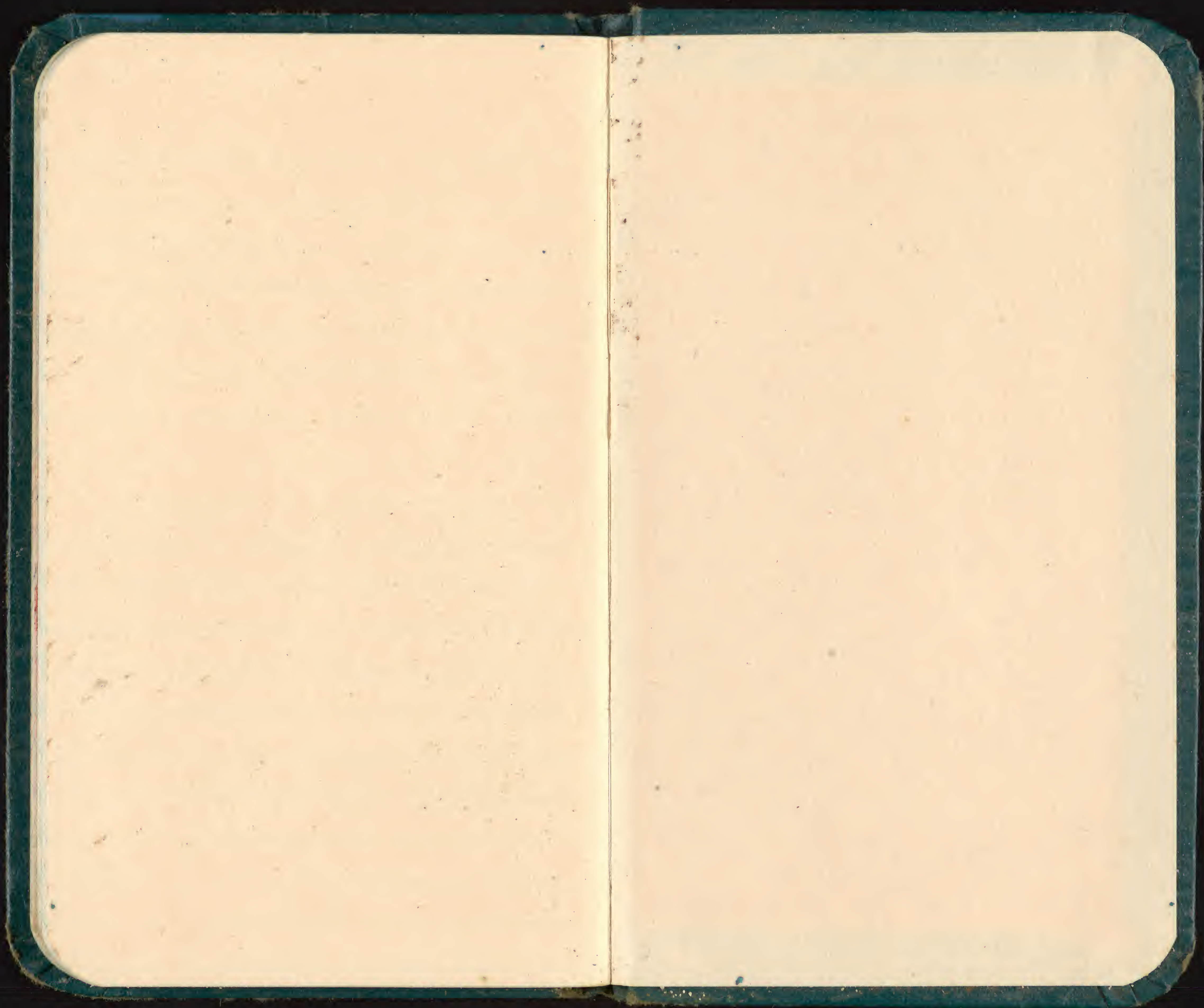
✓ FRB

587- 82508 ♂ club ✓

18 Dec. Kestrel
1894 B.F.B.
22-23-24-25-26-27-28-29-30-31

measures
its ~~distance~~ by four
from here to a star
then to put black with white

1900
The first day of
the new year
the first day of the
new year



7530-222-0078

FEDERAL SUPPLY SERVICE